

WATERSHED MANAGEMENT INITIATIVE 2002 APPENDICES

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APPENDIX A - TABLE 1: NPDES PERMIT RE-ISSUANCE SCHEDULE

NPDES No.	DISCHARGER	Expiration Date	STORMWATER	RE-ISSUANCE DATE					BACKLOG
				FY 02/03	FY 03/04	FY 04/05	FY 05/06	FY 06/07	
Chino Basin	Major								
CA8000073	IEUA, STP Carbon Cyn	06/01/04			Q4				No
CA0105279	IEUA, STP, RP #1	01/01/06					Q3		No
CA1015287	IEUA, STP RP #2	01/01/06					Q3		No
	Minor								
CA8000364	Sunkist Products, Ontario	10/01/02		Q2					No
CA8000349	California Cascade Industries, Fontana	08/01/04	S			Q1			No
CA8000386	Parrallel Products, Storm	04/01/07						Q4	No
CA8000065	Consolidated Waste Industries, Montclair	08/01/04	S			Q1			No
CA8000127	Industrial Waste Utilization, Montclair	11/01/04	S			Q2			No
CA0105457	California Steel Industries, San Sevaime and Mulberry Ditch	06/01/04	S		Q4				No
CA0000352	San Bernardino Int. Airport, San Bernardino	01/01/01	S				Q4		No
CA8000295	United Parcel Service, Ontario	08/01/03	S		Q1				No
CA8000343	Fontana Wood Preserving, Fontana	06/01/04	S		Q4				No
Newport Bay	Major								
CA8000326	IRWD, STP	12/01/06						Q2	No
	Minor								
CA8000031	Great Lakes Chemical, GW Cleanup	08/01/05					Q1		No
CA8000390	Silverado/Caltrans, Dewatering	01/01/03		Q3					No
CA8000166	Orange Co. Dept. of Airports, John Wayne	02/01/02	S						No
CA8000305	Tustin Desalter Facility	01/01/07						Q3	No
CA0106593	U.S. Marine Corps, El Toro	03/01/03	S	Q3					No
CA0106607	U.S. Marine Corps, Tustin	03/01/03	S	Q3					No
Lake Elsinore/ San Jacinto River	Major								
CA8000027	Elsinore Valley MWD, STP	02/01/05				Q3			No
	Minor								
CA0111007	U.S. Air Force, March AFB	04/01/04	S		Q4				No
Big Bear Lake	Major								
CA8000344	Big Bear Area Waste Water Agency, STP	02/01/05				Q3			No
Anaheim Bay, Huntington Harbour, Bolsa Chica	Minor								
CA8000375	U.S. NWS, Seal Beach, GW Cleanup	01/01/07						Q3	No
CA0106348	Los Alamitos Race Course, Los Alamitos	03/01/06	S				Q3		No

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NPDES No.	DISCHARGER	Expiration Date	STORMWATER	RE-ISSUANCE DATE					BACKLOG
				FY 02/03	FY 03/04	FY 04/05	FY 05/06	FY 06/07	
CAS618003	Venus Laboratories, Inc., Huntington Beach	04/01/02	S						No
Upper Santa Ana River	None								
Middle Santa Ana River	Major								
CA8000188	EMWD, STP Live Stream	06/01/04			Q4				No
CA0105350	Riverside STP	01/01/06					Q3		No
CA8000304	Colton/San Bernardino RTT&WRA, RIX	10/01/06						Q2	No
CA0105236	Colton, STP	10/01/05					Q2		
CA0105392	San Bernardion, STP	10/01/05					Q2		
CA8000100	Lee Lake W.D., STP, Regional Plant	01/01/07						Q3	No
CA8000316	Western Riverside WWA, STP	06/01/02						Q4	No
CA0105295	Rialto, STP	6/1/06					Q4		No
CA0105619	Yucaipa, STP	6/1/06					Q4		No
CA8000383	Corona, STP #1	12/1/06						Q2	No
CA8000395	Corona, STP #3	09/01/06						Q1	
	Minor								
CA0105376	Beaumont, STP	05/01/05				Q4			No
CA0001210	Mountainview Power, San Bernardino Gen. Station	05/01/05				Q4			No
CA8000101	Rohr Industries	01/01/05				Q3			No
CA8000028	Glen Ivy Hot Springs	09/01/03			Q1				No
CA0001555	Riverside Canal Power, ighgrove Gen. Station	05/01/05				Q4			No
CA0106534	Jurupa CSD, Indian Hills STP	4/1/06					Q4		No
CA8000388	San Bernardino Co. CSA, Citrus Plaza STP	04/01/02						Q4	No
CA8000015	San Bernardino, City, Geothermal Heating	12/01/02		Q2					No
CA0105899	BASF, San Bernardino	02/01/05	S			Q3			
Lower Santa Ana River	Major								
CA0001163	AES, Huntington Beach Gen. Station	06/01/05				Q4			No
CA0110604	County Sanitation Districts of Orange Co.	03/05/03			Q3				No
	Minor								
CA0106828	Nuevo Energy, Platform Esther	02/01/05				Q3			No
CA0105694	MWD, Deimer WTP	06/01/06					Q4		No
CA0105996	Nuevo Energy, Platform Eva	12/01/01						Q4	No
CA0106283	Disneyland, Anaheim	12/01/02		Q2					No
CA0106496	Knott's Berry Farm	10/01/02		Q2					No
CA8000265	Serrano Irrigation District, WTP	01/01/03		Q3					No
									No
CA0105520	Kirkhill Rubber Co., Brea	11/01/01	S						No

APPENDIX A - TABLE 1: NPDES PERMIT RE-ISSUANCE SCHEDULE

NPDES No.	DISCHARGER	Expiration Date	STORMWATER	RE-ISSUANCE DATE					BACKLOG
				FY 02/03	FY 03/04	FY 04/05	FY 05/06	FY 06/07	
CAS618001	Aera Energy, Inc., H.B. Production Facility	08/01/01	S						No
CA8000277	Adams Intl. Metals, Anaheim	03/01/03	S	Q3					No
Newport Coast Watersheds									
Coyote Creek and Carbon Creek									
Regionwide MS4 Permits	Major								
CAS618030	Orange County Flood Control, Co. and Cities	03/01/01	S						No
CAS618033	Riverside County F.C. & W.C.D., Co. and Cities	03/01/01	S						No
CAS618036	San Bernardino County Trans/F.C., Co. and Cities	03/01/01	S						No
	Minor								
CAG918001	General Groundwater Cleanup	1/01/07						Q3	No
CAG018001	General Diary Permit	08/01/04				Q1			No
CAG998001	General Deminimus	07/01/03			Q1				No

APPENDIX A - TABLE 2: NPDES PRETREATMENT AUDITS AND INSPECTIONS

Watershed Management Area	NPDES No.	Discharger	Expiration Date	Date				
				FY 02/03	FY 03/04	FY 04/05	FY 05/06	FY 06/07
Chino Basin	CA8000073	IEUA, STP Carbon Canyon	06/01/04	Q2I	Q3I	Q4A	Q1I	Q1I
	CA0105279	IEUA, STP, RP #1	04/01/05	Q2I	Q3I	Q4A	Q1I	Q1I
	CA1015287	IEUA, STP RP #2	07/01/00	Q2I	Q3I	Q4A	Q1I	Q1I
Newport Bay	CA8000326	Irvine Ranch Water District, STP	01/01/05	Q3	Q4	Q1	Q2	Q2A
Middle Santa Ana River	CA8000188	EMWD, STP Live Stream	06/01/04	Q2I	Q3I	Q4A	Q1I	
	CA0105350	Riverside STP	04/01/05	Q3I	Q4I	Q1I	Q2A	Q2A
	CA8000316	Western Riverside WWA, STP	06/01/02	Q4I	Q1I	Q2I	Q3A	Q3A
	CA0105295	Rialto, STP	09/01/00	Q3I	Q4I	Q1I	Q2A	Q2A
	CA8000383	Corona, STP #1	04/01/03	Q4I	Q1A	Q2I	Q3I	Q3I
	CA8000304	Colton (?)	01/01/05	Q1I	Q2I	Q3I	Q4A	Q4I
		San Bernardino (?)	01/01/05	Q1I	Q2I	Q3I	Q4A	Q4I
		Redlands (?)		Q4I	Q1I	Q2A	Q3I	Q3I
Lower Santa Ana River	CA0110604	County Sanitation Districts of Orange Co.	03/05/03	Q1I	Q2I	Q3A	Q4I	Q4I

A = Audit
 I = Inspection
 EMWD =
 IEUA = Inland Empire Utilities Agency
 RP =
 STP = Sewage Treatment Plant

**APPENDIX A - TABLE 3:
NPDES PERMIT COMPLIANCE INSPECTION SCHEDULE**

Watershed Management Area	Inspection Type	Inspection Date				
		FY 02/03	FY 03/04	FY 04/05	FY 05/06	FY 06/07
Chino Basin	Major: Level A	5	5	5	5	5
	Minor: Level B	5	5	5	5	5
	Stormwater	7	7	7	7	7
	General	14	15	16	15	14
Newport Bay	Major: Level A	5	5	5	5	5
	Minor: Level B	5	5	5	5	5
	Stormwater	3	3	3	3	3
	General	26	28	27	29	30
Lake Elsinore, San Jacinto River	Major: Level A	4	4	4	4	4
	Minor: Level B	4	4	4	4	4
	Stormwater	1	1	1	1	1
	General	7	8	8	7	7
Anaheim Bay, Huntington Harbor, Bolsa Chica	Major: Level A	4	4	4	4	4
	Minor: Level B	1	1	1	1	1
	Stormwater	2	2	2	2	2
	General	25	26	27	28	27
Big Bear	Major: Level A	1	1	1	1	1
	Minor: Level B	1	1	1	1	1
	Stormwater	0	0	0	0	0
	General	2	3	3	2	2
Upper Santa Ana River	Major: Level A	0	0	0	0	0
	Minor: Level B	0	0	0	0	0
	Stormwater	0	0	0	0	0
	General	3	3	3	3	3
Middle Santa Ana River	Major: Level A	12	12	12	12	12
	Minor: Level B	8	8	8	8	8
	Stormwater	1	1	1	1	1
	General	21	22	23	23	21
Lower Santa Ana River	Major: Level A	0	0	0	0	0
	Minor: Level B	0	0	0	0	0
	Stormwater	3	3	3	3	3
	General	6	6	6	6	6
Newport Coast	Major: Level A	0	0	0	0	0
	Minor: Level B	0	0	0	0	0
	Stormwater					
	General	2	2	2	2	2
Coyote Creek & Carbon Creek	Major: Level A	0	0	0	0	0
	Minor: Level B	3	3	3	3	3
	Stormwater					
	General	5	5	5	5	5
RegionwideMS4	Stormwater/Level B	3	3	3	3	3
Total	Major: Level A	36	36	36	36	36
	Minor: Level B	32	32	32	32	32
	Stormwater	20	20	20	20	20
	General	111	118	120	120	117

MS4 = Municipal Separate Storm Sewer System

**APPENDIX A - TABLE 4:
WASTE DISCHARGE REQUIREMENTS RE-ISSUANCE SCHEDULE**

WDID No.	ORDER No.	DISCHARGER	RE-ISSUANCE DATE					BACKLOG
			FY 02/03	FY 03/04	FY 04/05	FY 05/06	FY 06/07	
Chino Basin	Category II							
8 362411001	95-062	GE GW Cleanup, Ontario				Q2		No
8 360800001	95-024	Calif. Institute for Men, Chino				Q2		No
	Category III							
8 362322001	90-029	Allied Mold and Die			Q4			No
8 332110001	76-128	Bellgrave Truck Wash	Q1					Yes
8 362227001	84-025	Eshelman Slaughterhouse	Q1					Yes
8 332191001	84-065	Vieira Slaughterhouse	Q1					Yes
8 362084001	86-038	Wolfenbarger, O.F., Composting Plant, Chino	Q1					Yes
8 362193001	86-057	Red Star Fertilizer Co., Composting Plant, Chino	Q1					Yes
8 362086001	86-59	Farmers Fertilizer Co., Composting Plant, Chino	Q1					Yes
Newport Bay	Category II							
8 302671001	96-056	IRWD, Dredge, Irvine Lake					Q2	
8 302928001	96-024	Orange Co. EMA HBRS, BCHS, & PRKS – Dredge, Newport Dunes				Q4		No
8 302798001	94-003	SOCRA – STP, ETWD, LAWD Reclaim		Q3				No
	Category III							
8 302503001	86-009	Aguinage Fertilizer Co.Inc.- Composting Plant--Irvine	Q1					Yes
Lake Elsinore/ San Jacinto River	Category II							
8 330110007	90-135	EMWD Perris Regional STP	Q1					Yes
8 330110004	90-140	EMWD Sun City STP	Q1					Yes
8 330110005	90-151	EMWD Moreno Valley STP	Q1					Yes
8 330110006	88-94	EMWD Hemet/San Jacinto	Q1					Yes
8 332348001	92-63	EMWD Winchester Storage	Q1					No
8 332122003	96-034	Elsinore Valley MWD, STP, R.R. Cyn/Cyn Lake					Q1	No
8 330112003	96-063	Elsinore Valley MWD, STP, Horsethief Canyon plant					Q2	No
8 332199001	95-002	Wilderness Lakes RV Park			Q4			No
	Category III							
8 331481001	88-138	Golden Era Prod – Gilman Hot Springs		Q2				No
8 332364001	95-064	Western MWD – Operations Center				Q1		
Big Bear								
Upper Santa Ana River								

**APPENDIX A - TABLE 4:
WASTE DISCHARGE REQUIREMENTS RE-ISSUANCE SCHEDULE**

WDID No.	ORDER No.	DISCHARGER	RE-ISSUANCE DATE					BACKLOG
			FY 02/03	FY 03/04	FY 04/05	FY 05/06	FY 06/07	
Middle Santa Ana River	Category I							
8 362602001	01-075	U.S. Army Corps of Engineers -San Timoteo Creek-R3B					Q1	No
	Category II							
8 362200001	95-032	San Bernardino Co. Spec. Dist., STP, Lytle Sreek				Q1		No
8 331053001	96-055	Lee Lake WD, STP, MHP-Butterfield Estates					Q1	No
8 332155001	96-054	Lee Lake WD, STP, Clay Canyon					Q1	No
8 331053001	96-055	Lee Lake WD, STP, MHP-Butterfield Estates					Q1	No
	Category III							
8 332147001	81-224	Childhelp, Inc., Beaumont	Q1					Yes
8 362292001	90-121	Eckart – Truck Roost Truck Wash				Q2		No
8 332317001	90-132	Royal Citrus				Q2		No
8 362317001	90-059	Hubbard Truck Wash - Colton			Q4			No
Lower Santa Ana River	-	-						
Newport Coast Watersheds	-	-						
Coyote Creek and Carbon Creek	-	-						

**APPENDIX A - TABLE 5:
LAND DISPOSAL WASTE DISCHARGE REQUIREMENTS RE-ISSUANCE SCHEDULE**

Watershed Management Area	Category	WDID No.	Order No.	Discharger	Re-Issuance Date					
					FY 02/03	FY 03/04	FY 04/05	FY 05/06	FY 06/07	Backlog
Chino Basin	Category I	8 360304040	55-005, 98-99	Crestmore Landfill – SBCWSD –Closed		Q2				N
		8 360338001	57-030, 88-077, 98-99	Upland Landfill – City of Upland – Closed		Q2				N
		8 360112002	79-051, 94-01719, 98-99	Rialto Landfill – City of Rialto		Q2				N
		8 360304039	81-003, 98-99	Milliken Landfill – SBCWSD		Q2				N
		8 360304009	81-076, 89-070, 98-95	Mid-Valley Landfill – SBCWSD		Q2				N
	Category II	8 362169001	77-200	Alumax Fontana Brine Fac - Closing	Q1					Y
	Category III	8 362088001	84-136	Hyponex Corporation						Y
		8 362084001	86-038	Wolfenbarger Composting						N
		8 332078001	86-058	Corona Fertilizer						N
		8 362086001	86-059	Farmers Fertilizer						N
		8 362089001	86-056	Partida Fertilizer						N
		8 362193001	86-057	Red Star Fertilizer						N
		8 362085001	84-004	Garden Mate Composting Plant						Y
		8 362088001	84-136	Hyponex Composting Plant						Y
		8 362319001	90-013	Kellogg Composting – Ontario			Q4			N
		8 362023005	79-112	Fontana Landfill – Kaiser Inactive		Q3				Y
		8 362158003	80-156	Fontana Landfill Conrock Co	Q1					Y
		8 362001001	82-142	Ameron Pipe Brine Fac Etiwanda						Y
Newport Bay	Category I	8 302612001	89-001, 98-99	FRB Landfill – OCIWMD		Q2				N
	Category II	8 302508001	86-042	Heiser Composting						Y
		8 300302001	86-192, 98-99	Coyote Canyon Landfill – Closed						N
Lake Elsinore/ San Jacinto River	Category I	8 330324001	57-027, 88-071, 98-99	Hemet Landfill – RCWM - Inactive		Q2				N
		8 330305005	76-002, 98-99	Elsinore Landfill – RCWM – Closed		Q2				N
	Category II	8 332020001	72-028, 88-133	SDG and E - Moreno Station Brine Fac				Q2		N
		8 330305019	74-096, 98-99	Mead Valley Landfill – RCWM Closing		Q2				N
		8 332002001	78-180	Nutrilite Lakeview Plant Brine Fac						Y

**APPENDIX A - TABLE 5:
LAND DISPOSAL WASTE DISCHARGE REQUIREMENTS RE-ISSUANCE SCHEDULE**

Watershed Management Area	Category	WDID No.	Order No.	Discharger	Re-Issuance Date					
					FY 02/03	FY 03/04	FY 04/05	FY 05/06	FY 06/07	Backlog
	Category III	8 332024001	66-038, 88-066, 90-145	Techalloy Brine Fac Perris			Q4			Y
		8 330305012	72-029, 98-99	Double Butte Landfill – RCWM Closed						N
		8 330305002	81-126, 98-99	Idyllwild Landfill RCWM Inactive						N
		8 330305004	81-127, 98-99	Lamb Cyn Landfill RCWM						N
Anaheim Bay/ Huntington Harbour/ Bolsa Chica	Category III	8 300324001	81-012	Bruce Bros Landfill City of Huntington Beach Inactive			Q3			N
Big Bear	None	---	---	---						
Upper Santa Ana River	Category I	8 360304024	63-028, 89-065, 98-99	Verdemont/Cajon Landfill – SBCWSD - Inactive				Q2		N
Middle Santa Ana River	Category I	8 330305003	57-029, 88-065, 98-99	Corona Landfill – RCWM – Closed			Q2			N
		8 360304027	63-024, 98-99	Yucaipa Landfill, SBCWSD – Inactive			Q2			N
		8 330305001	79-035, 98-99	Highgrove Landfill – RCWM – Closing			Q2			N
		8 360304022	81-123, 91-039, 98-99	Colton Landfill, SBCWSD			Q2			N
		8 330305011	81-125, 93-05713, 94-01713, 98-99	W Riverside Landfill – RCWM Closed			Q2			N
		8 330304002	81-166, 98-99	Tequesquite Landfill –City of Riverside - Closed			Q2			N
		8 360303001	81-172, 93-05719, 94-01720, 98-99	California St. Landfill – City of Redlands			Q2			N
Middle Santa Ana River	Category II	8 332065001	62-020, 88-001	John Manville Brine Facility; Corona						Y
		8 332289001	89-161, 00-80	Synagro Composting – Temescal						N
		8 360305001	76-133	Agua Mansa Landfill						Y
		8 330108002	81-150, 00-43	City of Corona Brine Facility						N
		8 360304021	78-151, 98-99	San Timoteo Canyon Landfill – SBCWSD			Q2			N
		8 362387001	95-021	CDE Resources – Devore					Q2	N
		8 360114002	75-234	City of San Bernardino Brine Facility; Closed						Y

**APPENDIX A - TABLE 5:
LAND DISPOSAL WASTE DISCHARGE REQUIREMENTS RE-ISSUANCE SCHEDULE**

Watershed Management Area	Category	WDID No.	Order No.	Discharger	Re-Issuance Date					
					FY 02/03	FY 03/04	FY 04/05	FY 05/06	FY 06/07	Backlog
	Category III	8 360304037	62-026, 93-05722, 94-01723	Cooley Ranch Landfill; SBCWSD Inactive						N
		8 362016002	77-083, 88-104	General American Brine Facility; Colton		Q2				N
		8 332131001	81-074	Layton Family Brine Facility; Inactive				Q3		Y
		8 330305020	91-105, 81-124, 98-99	San Timoteo Badlands Landfill RCWM		Q1				N
		8 330304003	77-070	Panorama Landfill				Q4		Y
		8 332192001	84-068	Plyley Landfill Mira Loma	Q4					Y
		8 362285001	89-137	Curti Composting - Redlands	Q1					N
		8 330323001	75-229	IMCO Recycling -Corona			Q1			Y
		8 362039002	79-124	Sunwest Materials	Q3					Y
Lower Santa Ana River	Category I	8 300302005	80-153, 89-034, 98-99	Santiago Canyon Landfill; OCIWMD – Closing		Q2				N
Newport Coast										
Coyote Creek & Carbon Creek										

**APPENDIX A - TABLE 6:
WASTE DISCHARGE REQUIREMENTS COMPLIANCE INSPECTION SCHEDULE**

Watershed Management Area	Inspection Type	Inspection Date				
		FY 02/03	FY 03/04	FY 04/05	FY 05/06	FY 06/07
Chino Basin	Category II (Level A and B)	1	1	1	1	1
	Category III (Level B)	5	5	5	5	5
Newport Bay	Category II (Level A and B)	7	7	7	7	7
	Category III (Level B)	3	3	3	3	3
Lake Elsinore, San Jacinto River	Category II (Level A and B)	17	17	17	17	17
	Category III (Level B)	3	3	3	3	3
Big Bear	Category II (Level B)	5	5	5	5	5
Anaheim Bay, Huntington Harbor, Bolsa Chica	Category II (Level B)	5	5	5	5	5
Upper Santa Ana River	Category II (Level A and B)	7	7	7	7	7
Middle Santa Ana River	Category II (Level A and B)	8	8	8	8	8
	Category III (Level B)	26	26	26	26	26
Lower Santa Ana River	---	0	0	0	0	0
Newport Coast	---	0	0	0	0	0
Coyote Creek & Carbon Creek	---	0	0	0	0	0
Total	Category I	0	0	0	0	0
	Category II	50	50	50	50	50
	Category III	37	37	37	37	37

**APPENDIX A - TABLE 7:
LAND DISPOSAL WASTE DISCHARGE REQUIREMENTS
COMPLIANCE INSPECTION SCHEDULE**

Watershed Management Area	Inspection Type	Inspection Date				
		FY 02/03	FY 03/04	FY 04/05	FY 05/06	FY 06/07
Chino Basin	Category I/Level A and B	15	15	15	15	15
	Category II/Level A and B	2	2	2	2	2
	Category III/Level B	2	2	2	2	2
Newport Bay	Category I/Level A and B	3	3	3	3	3
	Category II/Level A and B	3	3	3	3	3
Lake Elsinore/ San Jacinto River	Category I/Level A and B	7	7	7	7	7
	Category II/Level A and B	14	14	14	14	14
	Category III/Level B	5	5	5	5	5
Big Bear	None	0	0	0	0	0
Anaheim Bay, Huntington Harbour, Bolsa Chica	Category III/Level B	2	2	2	2	2
Upper Santa Ana River	Category I/Level A and B	3	3	3	3	3
Middle Santa Ana River	Category I/Level A and B	24	24	24	24	24
	Category II/Level A and B	20	20	20	20	20
	Category III/Level B	5	5	5	5	5
Lower Santa Ana	Category I/Level A and B	3	3	3	3	3
Newport Coast	N/A	0	0	0	0	0
Coyote Creek and Carbon Creek	N/A	0	0	0	0	0
Region Total	Category I/Level A and B	55	55	55	55	55
	Category II/Level A and B	39	39	39	39	39
	Category III/Level B	14	14	14	14	14

APPENDIX B

WATER QUALITY ASSESSMENT REPORT AND 303(D) LIST UPDATE SCHEDULE

Watershed Management Area (WMA)	Water Quality Assessment/ 303(d) Update
Newport Bay WMA	2008
Chino Basin WMA	2008
Big Bear Lake WMA	2004
Anaheim Bay WMA	2004
Lake Elsinore/San Jacinto River WMA	2004
Upper Santa Ana River WMA	2008
Middle Santa Ana River WMA	2006
Lower Santa Ana River/Coastal Plain WMA	2006
Newport Coast WMA	2008
Coyote Creek and Carbon Creek WMA	2008

APPENDIX C: TABLE 1: SUMMARY SCHEDULE FOR TMDL DEVELOPMENT

Watershed Management Area	Waterbody	Pollutant/ Stressor	Projected Start Date	Current Completion Date	
				TMDL Report	Basin Plan Amendment
Chino Basin	Mill Creek (Prado Area)	Pathogens	Jan 2000	Sept 2003	Jan 2005
		Nutrients	2008 or delist	n/a	Jan 2005
		Suspended Solids	2008 or delist	n/a	Jan 2005
	Chino Creek, Reach 1	Nutrients	2008 or delist	n/a	Jan 2005
		Pathogens	Jan 2000	Sept 2003	Jan 2005
	Prado Park Lake	Nutrients	2008 or delist	n/a	Jan 2011
		Pathogens	Jan 2000	Sept 2003	Jan 2011
Newport Bay	Lower Newport Bay	Selenium	Jan 2001	April 2002	May, 2003
		Other Toxics ¹	Jan 2001	April 2002	June, 2007
	Rhine Channel	Other Toxics	Jan 2001	April 2002	June, 2007
	Upper Newport Bay	Chlorp. & Diazinon	Jan 2001	April 2002	May, 2002
		Selenium	Jan 2001	April 2002	May, 2003
		Other Toxics	Jan 2001	April 2002	June, 2007
	San Diego Creek Reach 1	Chlorp. & Diazinon	Jan 2001	April 2002	May, 2002
		Selenium	Jan 2001	April 2002	May, 2003
		Other Toxics	Jan 2001	April 2002	June, 2007
	San Diego Creek Reach 2	Chlorp. & Diazinon	Jan 2001	April 2002	May, 2002
		Selenium	Jan 2001	April 2002	May, 2003
		Other Toxics	Jan 2001	April 2002	June, 2007
Anaheim Bay, Huntington Harbour, Bolsa Chica	Anaheim Bay	Metals	Jan 2008	Dec 2009	Jan 2011
		Pesticides	Jan 2008	Dec 2009	Jan 2011
	Huntington Harbour	Metals	Jan 2008	Dec 2009	Jan 2011
		Pesticides	Jan 2008	Dec 2009	Jan 2011
		Pathogens	Jan 2008	Dec 2009	Jan 2011
Lake Elsinore, San Jacinto	Lake Elsinore	Nutrients	Jan 1999	Jan 2003	Jan 2004
		Low Dissolved Oxygen	Jan 1999	Jan 2003	Jan 2004
		Siltation	Jan 1999	Jan 2003	Jan 2004
		Unknown Toxicity	Mar 1999	Jan 2003	Jan 2004
	Canyon Lake	Nutrients	Jan 1999	Jan 2003	Jan 2004
		Pathogens	Mar 2001	Jan 2003	Jan 2004
	Fulmor Lake	Pathogens	Jan 2008	Nov 2009	Jan 2011
Big Bear Lake	Big Bear Lake	Copper	Mar 2000	delist 2004	Jan 2005
		Mercury	Mar 2000	delist 2004	Jan 2005
		Metals	Mar 2000	delist 2004	Jan 2005
		Nutrients	Mar 2000	Sept 2003	Jan 2005
		Siltation	Mar 2000	Sept 2003	Jan 2005
	Grout Creek	Metals	Mar 2000	delist 2004	Jan 2005
		Nutrients	Mar 2000	Sept 2003	Jan 2005

APPENDIX C: TABLE 1: SUMMARY SCHEDULE FOR TMDL DEVELOPMENT

Watershed Management Area	Waterbody	Pollutant/Stressor	Projected Start Date	Current Completion Date	
				TMDL Report	Basin Plan Amendment
Big Bear Lake (continued)	Knickerbocker Creek	Metals	Mar 2000	delist 2004	Jan 2005
		Pathogens	Jun 2001	Sept 2003	Jan 2005
	Rathbone Creek	Nutrients	Mar 2000	Sept 2003	Jan 2005
		Siltation	Mar 2000	Sept 2003	Jan 2005
	Summit Creek	Nutrients	Mar 2000	Sept 2003	Jan 2005
Upper Santa Ana River	Lytle Creek	Pathogens	Jan 2008	Nov 2009	Jan 2011
	Mill Creek, Rch 1	Pathogens	Jan 2008	Nov 2009	Jan 2011
	Mill Creek, Rch 2	Pathogens	Jan 2008	Nov 2009	Jan 2011
	Mt. Home Creek	Pathogens	Jan 2008	Nov 2009	Jan 2011
	Mt. Home Creek, East Fork	Pathogens	Jan 2008	Nov 2009	Jan 2011
Middle Santa Ana River	Santa Ana River, Reach 3	Nutrients	delist 2002		Jan 2011
		Pathogens	Jan 2000	Sept 2003	Jan 2005
	Santa Ana River, Reach 4	TDS	delist 2002		Jan 2011
		Pathogens	Jan 2009	Nov 2009	Jan 2011
Lower Santa Ana River	Santiago Creek, Reach 4	TDS	Jan 2008	Nov 2009	Jan 2011
	Silverado Creek	TDS	Jan 2008	Nov 2009	Jan 2011
		Pathogens	Jan 2008	Nov 2009	Jan 2011
Newport Coast	None	-	-	-	-
Coyote Creek, Carbon Creek	None	-	-	-	-

Notes:

- 1 - As of December 2001, the list of toxic substances to be developed had not been finalized. The list includes three groups of pollutants: metals, pesticides, and priority organics.
- 2 - Date of completion of state approval process (Regional Board, State Board and OAL approval) as specified in 1998 303(d) list.
- 3 - Santa Ana River, 3 miles impaired for nutrients, pathogens and TDS due to confined animal feeding operations in the Chino Basin area. Therefore, the TMDL schedule and Regional Board level of effort is consistent with Chino Basin TMDLs.
- 4 - Includes Regional Board, State Board and Office of Administrative Law approval processes.

APPENDIX C: TABLE 2
FIVE-YEAR SCHEDULE OF TMDL ACTIVITIES

WATERSHED: CHINO BASIN WMA

Waterbody	Mill Creek (Prado Area) Chino Creek, Reach 1				Mill Creek (Prado Area)	
Watershed Name	Chino Basin		Chino Basin		Chino Basin	
Hydrologic unit	801.25/801.21		801.25/801.21		801.25	
Pollutant/Stressor	Nutrients		Pathogens		Suspended Solids	
Stakeholder Participation	N/A		High		N/A	
Program Integration	N/A		NPDES SW NPDES DAIRIES SWAMP		N/A	
Interagency Coordination			--			
Activity date	Start	End	Start	End	Start	End
Monitoring and Assessment	7/1999		7/1999	12/2001	7/1999	
TMDL Development	DELIST		1/2001	9/2003	DELIST	
Implementation Planning			1/2003	1/2004		
Basin Planning			1/2004	12/2004		
TMDL Implementation			2004	ongoing		

APPENDIX C: TABLE 2 (CONTINUED)
FIVE-YEAR SCHEDULE OF TMDL ACTIVITIES

WATERSHED: NEWPORT BAY WMA

Waterbody	Newport Bay, Upper San Diego Creek, Reach 1 San Diego Creek, Reach 2							
Watershed Name	Newport Bay	Newport Bay	Newport Bay	Newport Bay	Newport Bay	Newport Bay	Newport Bay	Newport Bay
Hydrologic Unit	801.110	801.110	801.110	801.110	801.110	801.110	801.110	801.110
Pollutant/Stressor	sediment/nutrients /pathogens	chlorpyrifos/diazinon	selenium	other toxics ¹				
Stakeholder Participation	High	High	High	High	High	High	High	High
Program Integration	NPDES – SW NPS	NPDES – SW NPS	NPDES – SW NPS	NPDES – SW NPS	NPDES – SW NPS	NPDES – SW NPS	NPDES – SW NPS	NPDES – SW NPS
Interagency Coordination	UC Extension	DPR					USEPA	
Activity Dates	Start	End	Start	End	Start	End	Start	End
Monitoring and Assessment			1/1998	1/2000	1/1998	1/2000	1/1998	1/2000
TMDL Development			6/1999	4/2002	6/1999	1/2001	6/1999	4/2002
Implementation Planning			10/2001	3/2002	3/2002	12/2002	10/2005	3/2006
Basin Planning			1/2002	5/2002	12/2002	5/2003	6/2006	6/2007
TMDL Implementation	1998- 1999	ongoing	2002	ongoing	2003	ongoing	2007	ongoing

¹ Other toxics are to be identified by USEPA as part of the consent decree. Once USEPA has developed TMDLs and allocations, Regional Board activities will consist of Basin Plan amendments to incorporate TMDLs and implementation plans.

APPENDIX C: TABLE 2 (CONTINUED)
FIVE-YEAR SCHEDULE OF TMDL ACTIVITIES

WATERSHED: NEWPORT BAY WMA

Waterbody	Newport Bay, Lower Rhine Channel					
Watershed Name	Newport Bay		Newport Bay		Newport Bay	
Hydrologic Unit	801.110		801.110		801.110	
Pollutant/Stressor	Nutrients/ pathogens		selenium		other toxics ¹	
Stakeholder Participation	High		High		High	
Program Integration	NPDES – SW NPS		NPDES – SW NPS		NPDES – SW NPS BPTCP	
Interagency Coordination	UC Extension				USEPA	
Activity Dates	Start	End	Start	End	Start	End
Monitoring and Assessment			1/1998	1/2000	1/1998	1/2000
TMDL Development			6/1999	1/2001	6/1999	4/2002
Implementation Planning			3/2002	12/2002	10/2005	3/2006
Basin Planning			12/2002	5/2003	6/2006	6/2007
TMDL Implementation	1998- 1999	ongoing	2003	ongoing	2007	ongoing

APPENDIX C: TABLE 2 (CONTINUED)
FIVE-YEAR SCHEDULE OF TMDL ACTIVITIES

WATERSHED: LAKE ELSINORE/SAN JACINTO RIVER WMA

Waterbody	Lake Elsinore Canyon Lake		Lake Elsinore		Lake Elsinore		Canyon Lake	
Watershed Name	Lake Elsinore		Lake Elsinore		Lake Elsinore		Canyon Lake	
Hydrologic Unit	802.310/802.120		802.310/802.120		802.310		802.120	
Stressor	Nutrients/Low D.O.		Siltation		Unknown Toxicity		Pathogens	
Stakeholder Participation	High		N/A		High		High	
Program Integration	NPDES SW NPDES DAIRIES NPS SWAMP		N/A		NPDES SW NPS SWAMP		NPDES SW NPDES DAIRIES NPS SWAMP	
Interagency Coordination	Cal F&G		--		--		--	
Activity date	Start	End	Start	End	Start	End	Start	End
Monitoring and Assessment	7/1999	1/2002	7/1999	1/2002	7/1999	1/2002	7/1999	1/2002
TMDL Development	1/2000	6/2002	DELIST		1/2000	6/2002	1/2000	6/2002
Implementation Planning	3/2002	1/2003			3/2002	1/2003	3/2002	1/2003
Basin Planning	3/2003	6/2003			3/2003	6/2003	3/2003	6/2003
TMDL Implementation	2003	ongoing			2003	ongoing	2003	?

APPENDIX C: TABLE 2 (CONTINUED)
FIVE-YEAR SCHEDULE OF TMDL ACTIVITIES

WATERSHED: BIG BEAR WMA

Waterbody	Big Bear Lake Rathbone Creek Grout Creek Summit Creek		Big Bear Lake Knickerbocker Creek Grout Creek		Big Bear Lake Rathbone Creek		Knickerbocker Creek	
Watershed Name	Big Bear		Big Bear		Big Bear		Big Bear	
Hydrologic unit	801.710		801.70		801.70		801.70	
Stressor	Nutrients		Metals		Siltation		Pathogens	
Stakeholder Participation	MEDIUM		N/A		MEDIUM		MEDIUM	
Program Integration	NPDES SW NPS SWAPM		N/A		NPDES SW NPS SWAMP		NPS SWAMP	
Interagency Coordination	USFS CAL F&G		--		USFS CAL F&G		--	
Activity date	Start	End	Start	End	Start	End	Start	End
Monitoring and Assessment	1/1999	1/2002	1/1999	1/2002	1/1999	1/2002	1/1999	1/2002
TMDL Development	1/2000	6/2003	DELIST		1/2000	6/2003	1/2000	6/2003
Implementation Planning	1/2003	1/2004			1/2003	1/2004	1/2003	1/2004
Basin Planning	1/2004	62004			1/2004	62004	1/2004	62004
TMDL Implementation	2003	ongoing			2003	ongoing	2003	?

**APPENDIX D
STANDARDS/BASIN PLANNING ACTIVITIES**

TASK DESCRIPTION	Estimated PYs ¹		
	FY 02/03	FY ² 03/04	FY ² 04/05
High Priority Triennial Review Issues³			
Review of TDS/Nitrogen Management Plan (revision of groundwater basin boundaries and water quality objectives)	0.8	0.8	0.8
Newport Bay/San Diego Creek toxics TMDL development	1.5	1.5	1.5
Newport Bay/San Diego Creek nutrient TMDL implementation activities	0.5	0.5	0.5
Newport Bay/San Diego Creek sediment TMDL implementation activities	0.4	0.4	0.4
Chino Basin Watershed efforts	2.0	2.0	2.0
Review bacteriological water quality objectives for REC1 and REC2 beneficial uses	0.2	1.8	0
Review / revise beneficial use designations for a number of water bodies	0.3	0.3	0.4
Review Total Residual Chlorine Water Quality Objective	0.1	0.5	0.5
Addition of wetlands to Basin Plan	0.2	0.3	0
Addition of water bodies to Basin Plan	0.3	0.6	0
Develop TMDLs for Big Bear Lake and Lake Elsinore Watersheds	1.5	1.5	1.5
Additional Planning Activities⁴			
Chino Basin TMDL development	1	1	1
Conduct Triennial Review	1.6	1.6	1.6
Participation in other agency studies	0.6	0.6	0.6
Newport Bay/San Diego Creek Pathogen TMDL implementation activities	0.8	0.8	0.8

- 1 Estimate of total PYs required to carryout Task during the planning period (FY 01/02 through FY 03/04).
- 2 Priority subject to change pending Regional Board consideration of FY 01/02 Basin Plan Triennial Review.
- 3 High priority planning issues identified during FY 98/99 Triennial Review.
- 4 Issues not specifically identified as high priority Triennial Review issues, but for which planning staff resources are expected to be expended during the next 3 years.

APPENDIX E: TABLE 1
REGIONAL NPS PROBLEMS BY MANAGEMENT MEASURE CATEGORY
(Pollutants Impairing or Threatening Beneficial Uses)

Watershed/Waterbody	Agriculture	Forestry	Urban	Marinas & Recreational Boating	Hydro-Modification	Wetlands & Veg. Treatment Systems
A. 303(d) Listed Waters						
Anaheim Bay, Huntington Harbour, Bolsa Chica						
Anaheim Bay (180 acres)	Pesticides		Metals Pesticides	Metals		
Huntington Harbour (150 acres)			Metals Pathogens	Metals Pathogens		
Big Bear Lake						
Big Bear Lake (2970 acres)			Metals, Noxious aquatic weeds, Nutrients, Siltation	Metals	Nutrients, Siltation	
Knickerbocker Creek (2 miles)			Metals Pathogens			
Rathbone (Rathbun) Creek (2 miles)			Nutrients Siltation		Nutrients, Siltation	
Grout Creek (2 miles)			Metals Nutrients			
Summit Creek (2 miles)			Nutrients			
Lake Elsinore, San Jacinto River						
Lake Elsinore (3300 acres)	Nutrients, Low D.O. Siltation, Unknown Toxicity		Siltation Unknown Toxicity			
Canyon Lake (600 acres)	Nutrients Pathogens		Nutrients Pathogens			
Fulmor Lake (9 acres)			Pathogens			
Newport Bay WMA						
Lower Newport Bay (700 acres)	Nutrients Pesticides Toxics		Metals, Toxics Pesticides, Nutrients, Pathogens	Metals Toxics Pathogens		
Upper Newport Bay (752 acres)	Pesticides, Nutrients Siltation		Metals, Nutrients Pathogens, Siltation		Siltation Nutrients	
San Diego Creek, Reach 1 (6 miles)	Pesticides, Nutrients Siltation		Pesticides, Nutrients Siltation, Metals		Siltation Nutrients	
San Diego Creek, Reach 2 (6 miles)	Nutrients Siltation		Metals, Nutrients Siltation		Siltation Nutrients	
Chino Basin WMA						
Santa Ana River, Reach 3 (3 miles)	Nutrients, Pathogens TDS/Salinity Chloride		Nutrients Pathogens			
Mill Creek (Prado Area) (4 miles)	Pathogens Nutrients Susp. Solids		Pathogens			
Chino Creek, Reach 1 (2 miles)	Nutrients Pathogens		Pathogens			
Chino Creek, Reach 2 (10 miles)			High Coliform			
Cucamonga Creek, Valley Reach (13 miles)			High Coliform			
Prado Park Lake (60 acres)	Nutrients Pathogens		Nutrients Pathogens			
Upper Santa Ana River WMA						
Lytle Creek (18 miles)			Pathogens			
Mill Creek, Reach 1 (5 miles)			Pathogens			
Mill Creek, Reach 2 (8 miles)			Pathogens			
Mt. Home Creek (4 miles)			Pathogens			
Mt. Home Creek, East Fork (1 mile)			Pathogens			
Middle Santa Ana River WMA						
Santa Ana River, Reach 4 (12 miles)	Pathogens		Pathogens			
Lower Santa Ana River WMA						
Santiago Creek, Reach 4			TDS/Salinity			

APPENDIX E: TABLE 1
REGIONAL NPS PROBLEMS BY MANAGEMENT MEASURE CATEGORY
(Pollutants Impairing or Threatening Beneficial Uses)

Watershed/Waterbody	Agriculture	Forestry	Urban	Marinas & Recreationa l Boating	Hydro- Modification	Wetlands & Veg. Treatment Systems
(2 miles)			Chloride			
Silverado Creek (2 miles)	Pathogens		TDS/Salinity Chloride			
Coyote Creek & Carbon Creek WMA						
Coyote Creek			Nutrients, sediments, pathoigens			
Carbon Creek			Nutrients, sediments, pathoigens			
<i>B. Impaired Groundwater Basins</i>						
Chino Groundwater Basins						
Chino II (104 mi ²)	TDS/Salinity/Chloride Nitrogen, DBCP		PCE, TCE			
Chino III (104 mi ²)	TDS/Salinity/Chloride Nitrogen					
Middle Santa Ana River Groundwater Basins						
Bunker Hill I (23 mi ²)	Nitrogen		PCE, TCE			
Bunker Hill II (77 mi ²)	TDS/Salinity/Chloride Nitrogen, DBCP		PCE, TCE			
Bunker Hill Pressure (24 mi ²)	TDS/Salinity/Chloride Nitrogen, DBCP		PCE, TCE			
Colton (14 mi ²)	TDS/Salinity/Chloride Nitrogen		TCE			
Perris North (37 mi ²)			TCE			
Rialto (32 mi ²)	TDS/Salinity/Chloride Nitrogen		PCE, TCE			
Riverside I (17 mi ²)	TDS/Salinity/Chloride Nitrogen		Pesticides, TCE			
Riverside II (11 mi ²)	TDS/Salinity/Chloride Nitrogen		Pesticides, PCE, TCE, DCE			
Riverside III (14 mi ²)	TDS/Salinity/Chloride Nitrogen					
Temescal (22 mi ²)	TDS/Salinity/Chloride Nitrogen					
Orange County Groundwater Basins						
Irvine Forebay I & II (32 mi ²)	TDS/Salinity/ Chloride, Nitrogen		DCE, DCA, TCE, benzene, pesticides			
Irvine Pressure (39 mi ²)			VOCs			
Santa Ana Forebay (105 mi ²)	TDS/Salinity/Chloride Nitrogen		TOC, PCE, TCE			
Santa Ana Pressure (139 mi ²)	TDS/Salinity/Chloride Nitrogen, TOC		Fuels, Organics			
<i>C. Regional High Quality Waters</i>						
Coastal Shorelines						
Bolsa Chica State Beach (7 miles)			Pathogens, metals, sediments			
Corona del Mar State Beach (1 mile)			Pathogens, metals, sediments			
Huntington Beach State Park (3 miles)			Pathogens, metals, sediments			
Newport Beach (6 miles)			Pathogens, metals, sediments			
Seal Beach (1 mile)			Pathogens, metals, sediments			
Sunset Beach (3 miles)			Pathogens, metals, sediments			
Ocean/Open Bays						
Irvine Coast Refuge (1,024 acres)			Pathogens	Pathogens,		

APPENDIX E: TABLE 1
REGIONAL NPS PROBLEMS BY MANAGEMENT MEASURE CATEGORY
(Pollutants Impairing or Threatening Beneficial Uses)

Watershed/Waterbody	Agriculture	Forestry	Urban	Marinas & Recreational Boating	Hydro-Modification	Wetlands & Veg. Treatment Systems
				oil grease, fuel		
Newport Beach Refuge (166 acres)			Pathogens, metals, sediments	Pathogens, oil grease, fuel		
Lakes/Reservoirs						
Anaheim Lake (5 acres)						
Baldwin Lake (1,100 acres)			TDS/Salinity, Chloride			
Lake Hemet (470 acres)			Pathogens	Pathogens, oil grease, fuel		
Irvine Lake (650 acres)	Nutrients		Pathogens			
Jenks Lake (9 acres)						
Lake Matthews (2750 acres)			Pathogens, metals, sediments			
Lake Perris (xxxx acres)			Pathogens, oil and grease, fuel			
Rivers/Streams						
Mill Creek, Reach 1 (5 miles)			Pathogens, metals, sediments			
Mill Creek, Reach 2 (8 miles)			Pathogens			
Plunge Creek (5 miles)			Pathogens			
Santa Ana River, Reach 3 (15 miles)			Pathogens, nitrogen, TDS/Salinity, Chloride			
Santiago Creek, Reach 3 (6 miles)			Pathogens, nitrogen, TDS/Salinity, Chloride			
Shay Creek (1 mile)			Pathogens, sediments			
Wetlands/Freshwater						
San Joaquin Freshwater Marsh (400 acres)			TDS/Salinity, Chloride, metals, pathogens, sediments			

APPENDIX E: TABLE 2A
NON-POINT SOURCE (NPS) PROGRAM SHORT TERM OBJECTIVES

Goal 1 – Implement, track and monitor priority Management Measures (MMs) to identify, prevent, and reduce NPS pollution

Goal 2 – Develop new TMDLs

Goal 3 – Implement and track effectiveness of TMDLs developed to date

Goal 4 – Increase education/outreach programs, including volunteer monitoring and outreach for 319(h) grants

Goal 5 – Increase awareness of NPS issues in project planning stages (CEQA, 401 certifications) to incorporate methods for NPS prevention and reduction into new projects

APPENDIX E: TABLE 2A – NPS SHORT TERM OBJECTIVES

Objective	Goal	2002	2003	2004	2005	2006	Management Measures
Develop & implement TMDLs for 303(d) listed waters – Newport Bay and tributaries, Big Bear Lake, Lake Elsinore, Newport Coast streams.	2,3	X	X	X	X	X	1A,C
Conduct surface & groundwater quality monitoring to assess current & historic dairy waste impacts.	1	X	X				1B
Develop and implement manure removal strategies – Chino Basin, San Jacinto WS.	1	X	X	X	X	X	1B
Work w/USEPA and NRCS to develop the joint unified Animal Feeding Operations National Strategy. Target EQIP funding through participation on the State Technical Committee.	1	X	X	X	X	X	1B
Work w/USEPA and NRCS on implementation of the joint unified Animal Feeding Operations National Strategy. Target EQIP funding through participation on the State Technical Committee.	1	X	X	X	X	X	1B
Implement and enforce updated general dairy NPDES permit.	1	X	X	X	X	X	1B
Increase number of inspections of dischargers known to be in violation of water quality standards.	1	X	X	X	X	X	1B
Develop regional numeric nutrient criteria in cooperation with USEPA, RWQCBs, and Nutrient Criteria Team – Newport Bay WS.	2	X	X	X			1C
Develop & implement agriculture nutrient management plans.	1,3	X	X	X	X	X	1C
Implement nutrient monitoring program to evaluate TMDL	1,3	X	X	X	X	X	1C

APPENDIX E: TABLE 2A – NPS SHORT TERM OBJECTIVES

Objective	Goal	2002	2003	2004	2005	2006	Management Measures
compliance – Newport Bay WS.							
Update commercial nurseries WDRs for nutrients.	1,3	X	X				1C
Identify pesticide impairment to water quality standards; develop effective pesticide control program through TMDL development and implementation – Newport Bay WS.	1,2	X	X				1D
Prevent and mitigate threats to water quality from pesticides through coordination and implementation of the MAA and Pesticide WQMP with the CDPR.	1,2	X	X	X	X	X	1D
Review the red imported fire ant control/eradication program in Southern California in coordination with DFA, CDPR and RWQCBs.	1,2	X	X				1D
Prevent aquatic toxicity from organophosphate pesticide residues through voluntary monitoring efforts – Newport Bay WS.	1,2	X	X	X	X	X	1D
Reduce pesticides in agricultural and urban surface water through promotion of BMPs that reduce pesticide residues in runoff and through CDPR's registration process. Address impacts through self-regulation and regulatory action– Newport Bay WS.	1,2	X	X	X	X	X	1D
Coordinate water quality sampling program for red fire ant eradication program – Newport Bay WS.	1,2	X	X	X	X	X	1D
Work with CDPR and RWQCBs to target funds for monitoring for TMDL development.	2	X	X				1D
Coordinate TMDL unit work w/stakeholders to document levels of use & associated impacts to beneficial uses – Newport Bay WS.	2	X	X	X	X	X	1C; 3.4A,B
Incorporate applicable MMs into NPDES permits.	1	X	X	X	X	X	3.1A,B,C
Incorporate applicable MMs into Urban TMDL development strategies and implementation plans.	1,2	X	X	X	X	X	3.1A,B,C
Assign or redirect SWRCB &/or RWQCB staffs to support OSDS activities.	1,4	X	X	X	X	X	3.1A,B,C
Provide technical assistance and oversight on OSDS siting and proper	1,4	X	X	X	X	X	3.4A,B

APPENDIX E: TABLE 2A – NPS SHORT TERM OBJECTIVES

Objective	Goal	2002	2003	2004	2005	2006	Management Measures
application of alternative technology.							
Provide technical assistance for assessing cumulative impacts of OSDS and aid local agencies in the development of procedures for addressing cumulative impacts.	1,4	X	X	X			3.4A,B
Develop and implement a program of OSDS inspection and certification to verify that systems are operating in a manner that protects water quality.	1	X	X	X	X	X	3.4A,B
Meet with Federal Highway Admin. (FHWA), Caltrans and local transportation agencies to include water quality issues in FHWA biannual Regional audits.	1	X	X	X			3.5
Coordinate and participate in training sessions, workshops, and community events.	1,4	X	X	X	X	X	3.6A
Compile existing data on water quality at marinas to identify levels and potential sources of priority pollutants/stressors (associated with recreational boating / vessel waste discharges and related operations).	1,2			X		X	4.1
Establish baseline water quality data at marinas – Lower Newport Bay, Anaheim Bay / Huntington Harbour, Big Bear Lake.	1,2,3	X	X				4.1
Assess effectiveness of current vessel sewage waste programs.	1	X	X				4.1G, 4.2F
Establish agreements regarding the lead or shared responsibility for inspection of pump-out facilities.	1	X	X				4.1G, 4.2F
Establish formal agreements between agencies on program-level issues to streamline permitting and better protect resources.	1	X	X	X	X	X	5.1, 6A,B,D
Coordinate wetlands-related projects with work of the Southern California Wetlands Recovery Project.	1	X	X	X	X	X	5.1, 6A,B,D
Participate in regional flood planning activities.	1	X	X	X	X	X	6A,B,D
Review the effectiveness of existing MMs in CCAs.	1,2	X	X		X	X	CCA
Identify and map CCA watersheds, including: - Areas of regional significance - Special coastal habitats that are not a	1	X	X	X			CCA

APPENDIX E: TABLE 2A – NPS SHORT TERM OBJECTIVES

Objective	Goal	2002	2003	2004	2005	2006	Management Measures
priority in other sections of this plan - Coastal & ocean waters threatened by reasonably foreseeable increases in pollution loading - Coastal & ocean waters not meeting water quality standards - Coastal & ocean waters designated to prohibit degradation of water quality - Pristine coastal waters							
Identify and implement applicable MMs to protect or restore water quality in coastal and ocean waters adjacent to CCAs.	1	X	X	X	X	X	CCA
Create CCA working groups to identify available resources and future needs.	1,4	X	X				CCA
Provide summaries of water quality and land use information for each identified CCA.	1	X		X		X	CCA
Provide information on CCA efforts to local, State, and regional decision-makers, regional review committee, and the public.	1,4	X		X		X	CCA
Update CCA list, maps, and watershed information every two years, and report on implementation efforts and committee meetings.	1	X		X		X	CCA
Develop and implement a monitoring strategy to assess effectiveness of BMPs in reducing NPS pollution.	1,2,3,4	X	X	X		X	Mon.
Promote education and foster use of management practices to reduce NPS impacts.	1,4	X	X	X	X	X	1G
Provide outreach within 319(h) projects.	4	X	X	X	X	X	1G
Conduct BMP workshops for local developers.	1,4	X	X	X	X	X	3.1
Develop urban pesticide control education program.	1,4	X	X	X	X	X	3.6A
Coordinate and participate in training sessions, workshops, and community events.	1,4	X	X	X	X	X	3.6A
Participate in Adopt-a-Watershed and other watershed-awareness activities in public schools.	1,4	X	X	X	X	X	3.6A

APPENDIX E -TABLE 2B
EDUCATION, OUTREACH, AND TECHNICAL ASSISTANCE

Target Audience	Education/Outreach/ Assistance Goals	Products	Staff or Contract	Management Measure Category
Regionwide				
Water Districts, Sanitation Districts, UC Extension, TMDL Groups	Promote education and foster the use of best management practices to reduce NPS impacts.	<ul style="list-style-type: none"> • Periodic meetings • Better use of BMPs by agencies and farmers 	CWA 319	Agriculture, 1g Urban, 3.6a
SAWA, SARDA Resource Conservation Districts California Coastal Commission Other stakeholder groups	Information sharing	<ul style="list-style-type: none"> • Periodic meetings • Better understanding of NPS issues, local concerns 	Staff	Agriculture, 1g Urban, 3.6a
Technical Advisory Committees Resource Conservation Districts	Outreach component within 319(h) projects.	<ul style="list-style-type: none"> • More proposals, • Better written proposals • Contract management 	CWA 319	Agriculture, 1g Urban, 3.6a
Local developers, construction companies, city and county staff	Conduct BMP workshops. Review and provide comments on CEQA projects	<ul style="list-style-type: none"> • Annual workshops • Better use of BMPs by developers 	Storm water	Urban, 3.1a,b,c Urban, 3.6a
Public schools Science museums	Participate in Adopt-a-Watershed and other watershed-awareness activities.	<ul style="list-style-type: none"> • Public school site visits • Science/Discovery center site visits • Scout troop visits 	NPS-PCA 436	Urban, 3.6a
Environmental Groups	<ul style="list-style-type: none"> - Assist in coordinating volunteer monitoring - Provide water quality status report - Coordinate development & distribution of educational materials 	<ul style="list-style-type: none"> • Periodic meetings 	Staff/Contract	Urban, 3.6a MM-Monitoring
CSU and Univ. of California	Promote NPS education through university-level teacher training programs	<ul style="list-style-type: none"> • Education/outreach • Grant applications • Classroom presentations 	Staff	Agriculture, 1g Forestry, 2l Urban, 3.6a, 4.3a Marinas, 4.3a Wetlands, 6d

APPENDIX E -TABLE 2B
EDUCATION, OUTREACH, AND TECHNICAL ASSISTANCE

Target Audience	Education/Outreach/ Assistance Goals	Products	Staff or Contract	Management Measure Category
Newport Bay Watershed Management Area				
Agricultural groups UC Extension	Coordinate with CFB, NRCS, agricultural groups, and educational institutions to evaluate BMPs for water quality improvements	<ul style="list-style-type: none"> Periodic meetings Project Final Report 	CWA 319	Agriculture, 1f
Orange County Residents and Businesses	Develop urban pesticide control education program.	<ul style="list-style-type: none"> Periodic meetings Public information brochures 	Staff	Urban, 3.6a
TMDL groups	Coordinate and participate in training sessions, workshops, and community events.	<ul style="list-style-type: none"> Periodic meetings 	Staff	Urban, 3.6a
Schools	Coordinate development of education program with Earth Resources Foundation, Newport Nautical Museum, et al., and Orange County Unified School District (County of Orange, City of Newport Beach, Surfrider, Coastkeepers, UCI)	<ul style="list-style-type: none"> Periodic meetings Education/outreach 	Staff CWA 319h Prop 13	Urban, 3.1a, 3.6a Marinas, 4.3a Wetlands, 6d
Big Bear Area Watershed Management Area				
Big Bear Watershed Management Council	Coordinate with BBMWD, City of BB, EVRCD, CFG, SB County to deal with current & potential problems in Big Bear Lake	<ul style="list-style-type: none"> Periodic meetings Site visits 	Staff	Urban, 3.6a
Lake Elsinore/San Jacinto Watershed Management Area				
Lake Elsinore/San Jacinto Joint Powers Authority	Coordinate with City of LE, EMWD, EVMWD, WMWD, Rir. County, SAWPA	<ul style="list-style-type: none"> Periodic meetings Site visits 	Staff	Agriculture, 1f, 1g Urban, 3.6a
Anaheim Bay/Huntington Harbour/Bolsa Chica Watershed Management Area				
Huntington Beach Water Quality Issues Committee	Coordinate with Cities of Huntington Beach, Seal Beach, County of Orange, U.S. Navy, ACOE, CDF, Environmental groups, OC Environmental Health, OCPFRD, Harbor Patrol	<ul style="list-style-type: none"> Quarterly meetings 	Staff	Urban, 3.1a, 3.6a Marinas, 4.1a,b,e,g Wetlands, 6a,b,d Hydro-modificaton 5.1a
Bolsa Chica Technical Committee	Arbitrator for clean-up goals	<ul style="list-style-type: none"> Periodic meetings 	Staff and Contract	Wetlands, 6B

**APPENDIX E -TABLE 3
WAIVERS OF WASTE DISCHARGE**

Waiver No./Name/Description	Management Measures	Review Schedule
97-15/Pima Gro/biosolids application	Ag. general	no review required
93-30/Bio Gro/biosolids application	Ag. general	no review required

Notes:

1. In addition to the waivers listed in Table 3, approximately 50 waivers are issued annually under Resolution 96-9 which waives discharge requirements for specific types of discharges provided that certain conditions are met. Resolution 96-9 was adopted by the Regional Board in March 1996.
2. Riverside County has effectively banned land application of Class B biosolids as of 11/25/2001

**APPENDIX E - TABLE 4
KEY PARTNERS**

Existing or Potential Partner Agency	Agreement Type	Management Measures
Big Bear Watershed Management Council		3.1A,B,C, 3.6A, 5.1A,B, 5.3A, 5.4A, 6A,B,D
California Department of Pesticide Regulation (CDPR)	Pesticide Management Plan for Water Quality (MAA)	1D, 3.6A
California Department of Health Services (DHS)	MOU	3.1A, 3.3A
Chino Basin Watermaster		
Chino Basin TMDL Workgroup		
Milk Producers Council (MPC) and Western United Dairymen		1B, 1G
Natural Resource Conservation Service (NRCS)	EWMPs for Dairies	1B, 1G
Newport Bay Watershed Management Committee		
Santa Ana River Watershed Group		6A, 6B
Santa Ana Watershed Project Authority (SAWPA)		
Santa Ana Watershed Association of Resource Conservation Districts (SAWA)		1G, 3.6A, 6A, 6B
Southern California Caulerpa Action Team (SCCAT)		3.3A, 4.1A, 4.3A
Southern California Coastal Water Research Project (SCCWRP)		
University of California Cooperative Extension (UC-Coop)	Project contracts	
Underground Storage Tanks – Local Oversight Program (UST-LOP)		
US Army Corps of Engineers	401, 404 permitting	5.1A, 5.1B, 6A
Counties:		
Orange Co. Public Facilities and Recreation Dept.		1C, 1G
Orange Co. Water District		
Orange Co. Health Care Agency		
Riverside Co. Dept. of Environmental Health Services		
San Bernardino Co. Dept. of Environmental Health Services		

EWMP = Engineered Waste Management Plan

MAA = Management Agency Agreement

MOU = Memorandum of Understanding

TMDL = Total Maximum Daily Load

**APPENDIX E -TABLE 5
PROPOSED FY 02-03 NPS RESOURCE ALLOCATION**

No.	Task	Product	Management Measure (MM)	Funding Source	Cost
	Nonpoint Source Coordination				
1	Finalize the NPS compliance assistance guidance	Final NPS compliance assistance guidance		319	
2	Participate on the NPS Interagency Coordinating Committee (IACC)	Participate in bimonthly IACC meetings and selected technical advisory committees (TACs)		319	
3	Participate at quarterly NPS Program Roundtables and monthly conference calls	Develop and receive technical and program support through roundtables. Examples of issues to be considered include information exchange on 319(h) project successes and mechanisms to improve NPS Program Plan implementation.		319	
4	Report progress on NPS activities	Develop semi-annual progress report on 319(h) activities for 01/02-06/02 Develop semi-annual progress report on 319(h) activities for 07/02-12/02		319	
5	Develop annual workplan	Assess NPS Program needs and develop workplan for FY 03-04		319	
6	Assist in the second annual California NPS Conference	Coordinate with project managers on presentations and posters		319	
7	Assist in the request for proposals process	Develop the project selection list from FFY 2003 RFP Assist in preparing the FFY 2004 RFP and provide outreach Conduct regional RFP workshops Assist project proponents with their proposals and initiate proposal review associated with FFY 2004 RFP		96 Bond	
8	Participate in the Critical Coastal Areas (CCAs) committee	Participate in development of initial list of CCAs where targeted implementation of management measures will occur		319	
	Total		1G,3.6,4.3,5.4,6D		0.7 PY
	Education/Outreach				
1	Update Contact List	Updated database of stakeholders, RCDs, environmental groups, etc Disburse electronic database information		319	
2	Update Brochures/Pamphlets	Collect, organize, evaluate various educational/outreach materials pertaining to all NPS management measures. Distribute relevant material as requested/needed. Update or create new brochures/pamphlets/fact sheets pertaining to current NPS concerns		319	
3	NPS Web-site	Update NPS portion of our website to include RFP announcements, access fact sheets (as they become available), post regional events, etc.		319	
4	Workshops/Meetings	Coordinate stakeholder outreach meetings Meet with each counties (Orange, Riverside, and San Bernardino) NPDES education subcommittee Coordinate and/or participate in training sessions, workshops, and community events (i.e. Calif. Environmental		319	

APPENDIX E -TABLE 5
PROPOSED FY 02-03 NPS RESOURCE ALLOCATION

No.	Task	Product	Management Measure (MM)	Funding Source	Cost
		Education Master Plan, Clean Harbor Day, Earth Day, Coastal Clean-up Day, etc.)			
		Assist in developing 2 nd Annual Regional NPS Workshop			
5	Coordinate with other units	On a quarterly basis, coordinate with planning, stormwater, and dairies.		319	
	Total		1G,3.6,4.3,5.4,6D		0.5 PY
	Contract Management				
1	Big Bear Lake/Rathbun Creek Sedimentation and nutrient Control Project/East Valley RCD	<ol style="list-style-type: none"> 1. Project Design 2. Basin Construction 3. Project Report Will improve water quality by reducing sediments and nutrients from entering Big Bear Lake.		DWQ	0.1 PY
2	Grove Avenue Detention Basin/Chino Basin Water Conservation District	<ol style="list-style-type: none"> 1. Implement education/outreach program. 2. Construct water conservation structure. Upgrade the Grove Ave. detention basin to improve stormwater retention capacity, groundwater recharge, and runoff protection for the dairy area.			0.1 PY
3	Dairy Washwater Treatment Demo Project/Orange County Water District	<ol style="list-style-type: none"> 1. Conduct field days to showcase sites. 2. Prepare responsiveness summaries. 3. Technology transfer/installation assistance 4. Refine facility operation 5. Monitor treatment process Implement an alternative treatment demonstration project for dairy washwater. A constructed wetlands system is used to evaluate reduction of contaminants in dairy washwater.			0.1 PY
4	San Diego Creek Watershed Agricultural Nutrient Management Plan/UC Extension with Orange County Farm Bureau	<ol style="list-style-type: none"> 1. Monitoring program 2. BMP education and implementation 3. TMDL update 			0.1 PY
5	Urban Runoff Nutrient Reduction Program/Municipal Water District of Orange County	Site selection, education, and installation of Et controllers Customer service Monitoring program TMDL update			0.1 PY
6	Santa Ana Watershed Volunteer Monitoring and Public Outreach Project/Orange County CoastKeeper	Work with school-aged individuals on citizen monitoring Provide public outreach information			0.1 PY
7	Newport Bay Toxics TMDL				
8	Riverside County Flood Control	Stream gauging station maintenance in San Jacinto Watershed		DWQ	0.1 PY
9	Lake Elsinore Toxicity TMDL	Verify toxicity listing of Lake Elsinore		DWQ	0.1 PY
10	TMDL Workgroup facilitation	Workgroup facilitation			
11	City of Newport Beach	Determine Sources of Bacteriological contamination at beaches in Newport Beach		401.01	
12	Public outreach project	To conduct community outreach and education		319(h)	
13	UC Riverside	TMDL development in Canyon Lake		DWQ	
14	UC Regents	Study of nutrient cycles of Lake Elsinore		DWQ	

APPENDIX E - TABLE 6
NPS RESOURCE NEEDS: FY 2002/03 - FY 2004/05

No.	Task	Product	Management Measure	State Fiscal Year			Cost
				02/03	03/04	04/05	
	Regionwide						
1	Develop region-specific GIS data layers	GIS maps, data assessment	---	X	X	X	1 PY
2	Identify and implement applicable MMs to protect or restore water quality in coastal and ocean waters adjacent to CCAs	Better protection of CCAs	CCA	X	X	X	0.3 PY
3	Create CCA workgroups to identify available resources and future needs	Better protection of CCAs	CCA	X	X	X	0.3 PY
4	Provide summaries of water quality and land use information for each identified CCA	Monitoring of CCAs	CCA	X	X	X	0.3 PY
5	Provide information on CCA efforts to local, state, and regional stakeholders and the public	Increased agency cooperation	CCA	X	X	X	0.1 PY
6	Develop and implement strategy to monitor BMP effectiveness	Water quality monitoring data	Monitoring	X	X	X	1 PY
7	Provide technical assistance and oversight on siting and proper application of alternative technology for OSDSs	OSDS technical assistance	3.4 A,B	X	X	X	0.1 PY
8	Develop and implement program for annual inspection and certification of OSDSs	OSDS inspection program	3.4 A,B	X	X	X	0.4 PY
9	Coordinate with FHWA, Caltrans, and local transportation agencies to include water quality issues in FHWA biannual regional audits	NPS education	3.5	X	X	X	0.1 PY
10	Establish baseline water quality data at marinas	Water quality assessment	4.1	X	X	X	0.5 PY
11	In public schools, participate in Adopt-a-Watershed and other watershed-awareness activities	NPS education	3.6A	X	X	X	1 PY
12	Oversee Regional CWA 319(h) contracts	Contract Management	---	X	X	X	1.2 PY
13	Incorporate applicable MMs into NPDES permits	Implement MMs into permits	3.1A,B,C	X	X	X	0.2 PY
14	Incorporate applicable MMs into Urban TMDL implementation plans	Urban TMDL implementation strategies	3.1A,B,C	X	X	X	0.2 PY
15	Assess effectiveness of current vessel sewage waste programs	Vessel waste program assessment	4.1G,4.2F	X	X	X	0.3 PY
16	Review the effectiveness of existing MMs in CCAs	Better Protection of CCAs	CCA	X	X	X	0.3 PY
17	Develop and implement a monitoring strategy to monitor effectiveness of BMPs in reducing NPS pollution	Water quality monitoring data	Monitoring	X	X	X	1 PY
18	Coordinate and participate in training sessions, workshops, and community events	NPS education	3.6A	X	X	X	0.3 PY
19	Provide outreach to potential NPS grant applicants	Improved grant proposal	1G	X	X	X	0.2 PY
20	Work w/USEPA and NRCS to develop & implementation of the joint unified Animal Feeding Operations National Strategy. Target EQIP funding to needed projects through participation on the State Technical Committee	CAFO Strategy	1B	X	X	X	0.3 PY
21	Assign or redirect SWRCB&/or RWQCB staffs to support OSDS activities	Increased OSDS support	3.1A,B, C	X	X	X	0.2 PY
22	Establish agreements to manage inspection of pump-out facilities	Establish and review agreements	4.1G, 4.2F	X	X	X	0.2 PY

APPENDIX E - TABLE 6
NPS RESOURCE NEEDS: FY 2002/03 - FY 2004/05

No.	Task	Product	Management Measure	State Fiscal Year			Cost
				02/03	03/04	04/05	
23	Establish and maintain agreements between agencies on regional-level issues	Establish and review agreements	5.1,6A,B,D	X	X	X	0.4 PY
24	Coordinate wetlands-related projects in Southern California with work of the Wetlands Recovery project	Increased agency cooperation	5.1, 6A,B,D	X	X	X	0.2 PY
25	Promote education and foster the use of management practices to reduce NPS impacts to water quality	NPS education	1G	X	X	X	0.3 PY
26	Develop regional numeric nutrient criteria in cooperation with USEPA, RWQCBs, and Nutrient Criteria Team	Nutrient criteria for ecoregions	1C	X	X	X	0.5 PY
27	Conduct water quality field camps with La Jolla Indian Reservation schools	Education	1G, 3.6A	X	X	X	0.1 PY
28	NPS workplan management	Annual NPS workplan	---	X	X	X	0.2 PY
29	WMI NPS section update	Annual WMI update	---	X	X	X	0.1 PY
	Watersheds						
	Chino Basin						
1	Manage new CWA 319h and Prop 13 Contracts	Data assessment	Monitoring	X	X	X	1 PY
		Data assessment	1A, 3.3A	X	X	X	1 PY
2	Develop manure removal strategies	Manure removal strategies	1B	X	X	X	0.3 PY
3	Conduct surface & groundwater quality monitoring to assess current & historic dairy waste impacts	Monitoring data for dairies	1B	X	X	X	0.5 PY
4	Manage CWA 319(h) contract for Grove Avenue Detention Basin	Data assessment		X	X	X	0.1 PY
5	Manage new CWA 319h and Prop 13 Contracts	Computer modeling		X	X	X	1 PY
		Monitoring	Monitoring		X	X	1 PY
1	Newport Bay	Dredging	1A, 3.1A, 3.3A, 5.3A	X	X		0.2 PY
2	Perform modeling simulations using existing numerical model to evaluate fate and transport of sediment and other pollutants in Newport Bay		1A, 1D, 1F, 3.1, 3.2A, 3.6, 5.3A	X	X	X	2 PY
3	Investigate management measures for control of NPS selenium	Monitoring strategy	1D, 3.3A, 3.6A		X	X	0.1 PY
4	Oversee dredging project in Newport Bay	Contract management	---	X	X	X	0.5 PY
5	Implement Toxics TMDL	Education/Monitoring	---	X	X	X	0.2 PY
6	Implement Nutrient TMDL						
	a)manage CWA 319(h) project to provide data for review of San Diego Creek WQOs	Site-specific nutrient/algae data	Data assessment	X	X	X	0.1 PY
	b)Oversee implementation of County's nutrient monitoring program to evaluate TMDL compliance	Nutrient monitoring through TMDL	Monitoring, 3.1,3.2,3.3	X	X	X	0.2 PY
	c)Manage CWA 319(h) project to evaluate water quality benefits from better management of residential landscape irrigation	BMP evaluation, monitoring data	3.3A	X	X	X	0.1 PY
	d)Manage CWA 319(h) project to implement agriculture nutrient management plan, and evaluate BMPs	BMP evaluation, monitoring data	1C	X	X	X	0.1 PY

APPENDIX E - TABLE 6
NPS RESOURCE NEEDS: FY 2002/03 - FY 2004/05

No.	Task	Product	Management Measure	State Fiscal Year			Cost
				02/03	03/04	04/05	
	e)Review Tier III measures for implementation of nutrient TMDL	Updated nursery WDRs	1C	X	X	X	0.25 PY
7	Implement Sediment TMDL						
	a)Manage program to enhance in-channel sediment basins in lower San Diego Creek	Renovated sediment-trapping basins	1A, 3.1,3.2,3.3	X	X	X	0.1 PY
	b)Manage stream-bank stabilization project for Serrano Creek and participate in Serrano Creek workgroup meetings	Stream restoration	5.3A	X	X	X	0.2 PY
	c)Review annual sediment report from county	Annual Report	Monitoring	X	X	X	0.1 PY
	d)Oversee sediment dredging project in Newport Bay	Project design report	1A, 3.1,3.2,3.3	X	X	X	0.1 PY
8	Implement Fecal Coliform TMDL						
	a)Participate in recreational use surveys program	Project report	---	X	X	X	0.1 PY
	b)Monitor stormwater and public health data for exceedances	Data Review	Monitoring	X	X	X	0.1 PY
	c)Manage contract to evaluate appropriate bacteriological indicators	Project Reports	---	X	X	X	0.2 PY
9	Implement Selenium TMDL						
	a)Manage contracts to quantify NPS resources	Monitoring data	Monitoring	X	X	X	0.1 PY
	b)Manage contract to investigate sediment toxicity and fish bioaccumulation in Newport Bay, and perform toxicity studies in San Diego Creek	Site-specific toxicity and bioaccumulation data	Monitoring	X	X	X	0.1 PY
	c)Provide oversight on IRWDs Natural Treatment System project	Project design	Monitoring, 1A, 1C, 3.1,3.2,3.3	X	X	X	0.1 PY
10	Implement Diazinon and Chlorpyrifos TMDL						
	a)Oversee inclusion of pesticides in County's regional monitoring program for the watershed	Pesticide monitoring program	Monitoring 1D	X	X	X	0.1 PY
	b)Monitor CDPR pesticide data collected from IRWD residential runoff study	Water quality data review	Monitoring 1D	X	X	X	0.1 PY
	c)Monitor and review CDPR/CDFA water quality sampling program for pesticides used in fire ant eradication program	Project design	Monitoring, 1D	X	X	X	0.1 PY
11	Participate in Newport Bay Watershed Management committee	Monthly meetings	1B, 3.6A	X	X	X	0.2 PY
1	Lake Elsinore/San Jacinto		1C, 3.1A, 3.2A, 3.3A		X	X	0.5 PY
2	Revise water quality model for Lake Elsinore and Canyon Lake and perform simulations for nutrients and pathogens		1A, 1B, 3.1A, 3.2A, 3.3A		X	X	0.2 PY
3	Continue watershed monitoring		1A, 3.1, 3.2		X	X	0.2 PY
4	Implement nutrient TMDL	Contract management	---	X	X	X	0.4 PY
	Implement pathogen TMDL						
	Implement sediment TMDL						
5	Manage 4 new CWA 319h contracts	Contract management	---		X	X	0.2 PY
		Education, outreach	3.1A, 3.6A, 6D	X	X	X	0.1 PY
6	Manage CWA 319(h) contract to install and maintain stream gaging stations	Stream gaging stations	Monitoring	X	X	X	0.1 PY

APPENDIX E - TABLE 6
NPS RESOURCE NEEDS: FY 2002/03 - FY 2004/05

No.	Task	Product	Management Measure	State Fiscal Year			Cost
				02/03	03/04	04/05	
7	Manage contract to collect pathogen monitoring data in Canyon Lake	Monitoring Data	Monitoring	X	X	X	0.1 PY
8	Manage CWA 205j contract to model and assess nutrient inputs to Lake Elsinore	Source Assessment	Monitoring	X	X	X	0.1 PY
9	Manage contract to investigate nutrient cycling in Lake Elsinore and Canyon Lake	Nutrient data monitoring	Monitoring	X	X	X	0.1 PY
10	Manage prop 13 contract to develop watershed management plan for the San Jacinto Watershed	Watershed Management Plan	1G, 3.6A	X	X	X	0.1 PY
11	Participate in JPA Technical Advisory committee meetings	Monthly Meetings	1G, 3.6A	X	X	X	0.1 PY
12	Manage San Jacinto Watershed TMDL workgroup	Monthly Meetings	1G, 3.6A	X	X	X	0.2 PY
13	Work with flood control district to process stormwater quality data	Data Assessment	Monitoring	X	X	X	0.2 PY
	Anaheim Bay, Huntington Harbor, Bolsa Chica						
	Manage new CWA 319h and Prop 13 contracts						
1	Develop watershed-specific education program			X	X	X	0.3 PY
				X	X	X	0.5 PY
2	Participate in Huntington Beach Water Quality Committee	Quarterly Meetings	3.6A	X	X	X	0.05 PY
3	Manage Caulerpa Eradication Program	Surveillance, Eradication, Monitoring	3.6A, 4.3A	X	X	X	0.2 PY
4	Participate in Bolsa Chica Technical Committee	Arbitrate cleanup goals	6B	X	X	X	0.2 PY
5	Participate in Beach Water Quality Group – monitoring subcommittee	Improve beach water quality	3.1A, 3.6A	X	X	X	0.1 PY
1	Big Bear			X	X	X	0.1 PY
2	Manage new and continuing CWA 319h and Prop 13 contracts						
3	Develop and implement water quality model						
4	Coordinate volunteer monitoring program						
5	Manage CWA 319(h) contract to eliminate noxious aquatic weeds using herbicides	Mitigate lake eutrophication	3.1A, 5.3A	X	X	X	0.1 PY
6	Manage CWA 319(h) contract to restore Rathbun Creek/Sand Canyon	Mitigate lake eutrophication	5.3A	X	X	X	0.1 PY
7	Participate in Big Bear Watershed Management Council	Monthly meetings	3.6A	X	X	X	0.1 PY
8	Manage nutrient monitoring contract	Monitoring	Monitoring	X	X	X	0.1 PY
9	Manage contract to create database, determine lake hydrologic budget, and model nutrient dynamics and in-lake nutrient cycling	Data Assessment	Monitoring	X	X	X	0.2 PY
	Upper Santa Ana River						
	(no watershed-specific NPS activities in FY 02/03)						
	Middle Santa Ana River						
	(no watershed-specific NPS activities in FY 02/03)						
	Lower Santa Ana River						

APPENDIX E - TABLE 6
NPS RESOURCE NEEDS: FY 2002/03 - FY 2004/05

No.	Task	Product	Management Measure	State Fiscal Year			Cost
				02/ 03	03/ 04	04/ 05	
	(no watershed-specific NPS activities in FY 02/03)						
	Newport Coast						
1	Manage contract for restoration of Buck Gully	Stream Restoration	5.3A, 5.4,6A, 6D	X	X	X	0.1 PY
2	Participate in harbor water quality meetings	Monthly meetings	3.6A, 4.3A	X	X	X	0.1 PY
3	Participate in Coastal Coalition activities	Monthly meetings	3.6A	X	X	X	0.1 PY
	Coyote Creek & Carbon Creek						
1	Manage Prop 13 contract to develop watershed management plan for the Coyote Creek Watershed	Watershed management plan	1G, 3.6A	X	X	X	0.1 PY